

FIG. 1

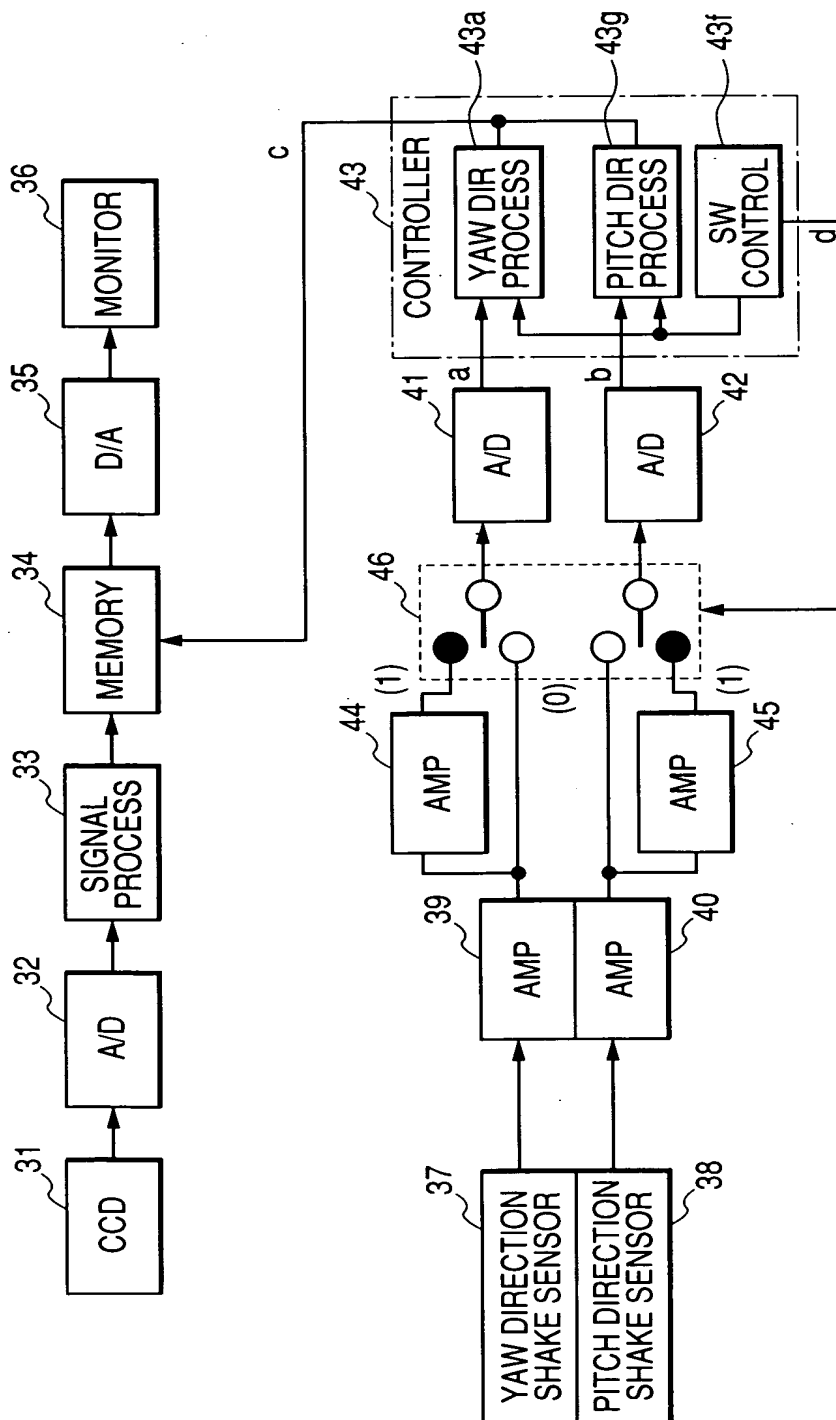


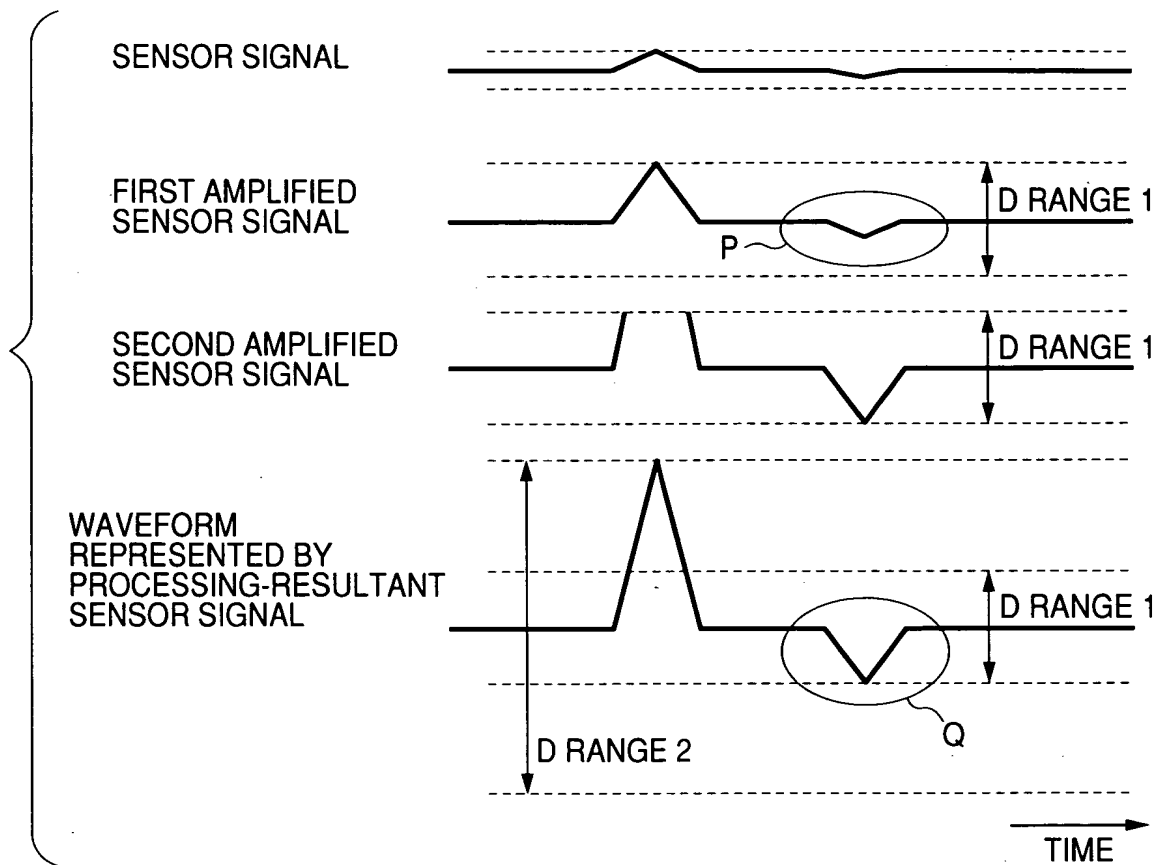
FIG. 2

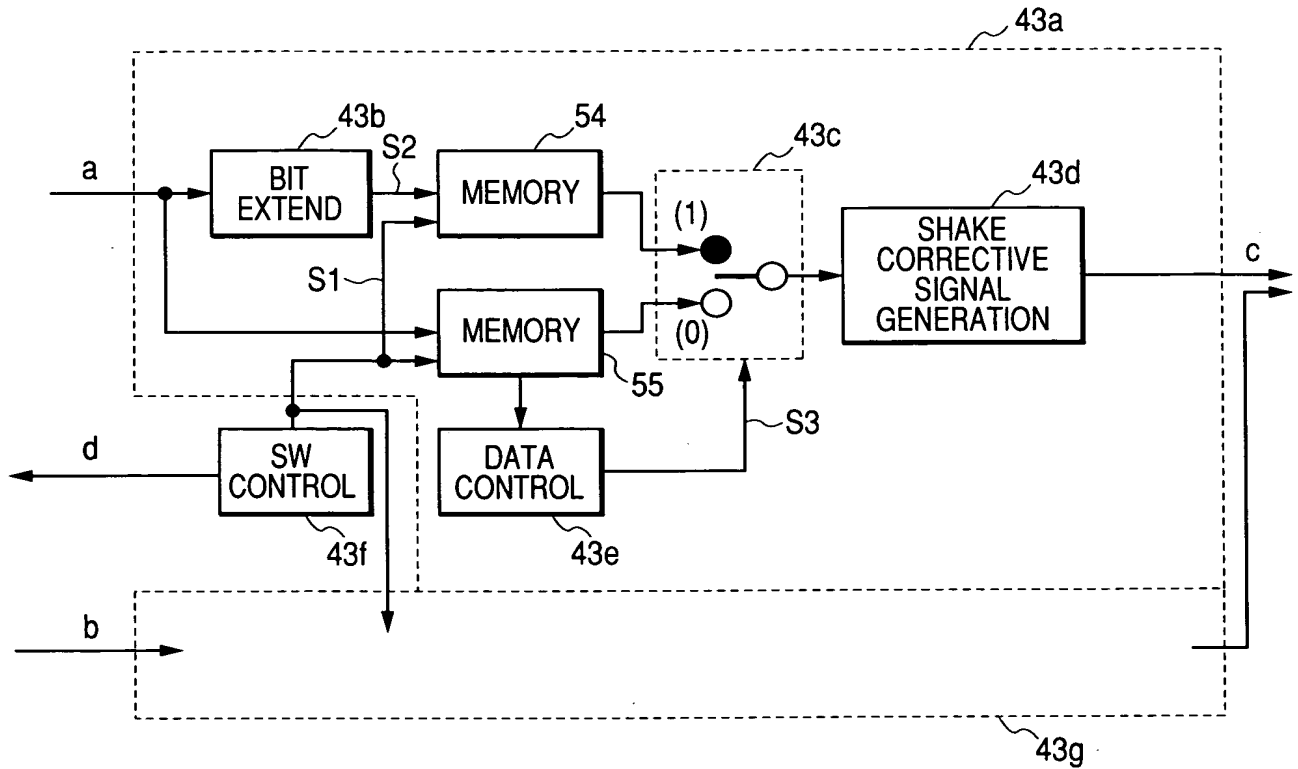
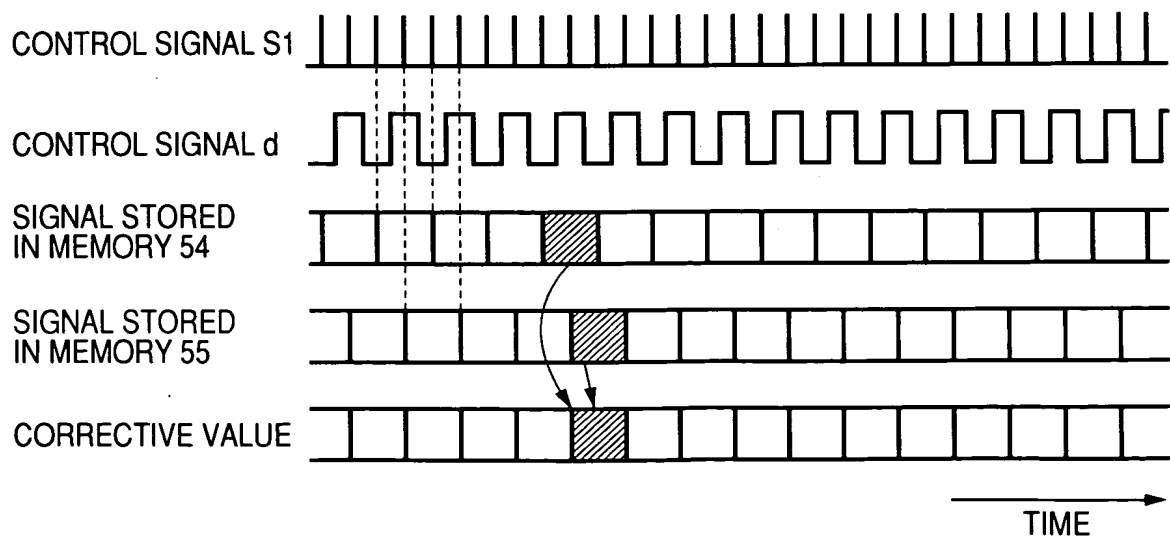
FIG. 3**FIG. 4**

FIG. 5

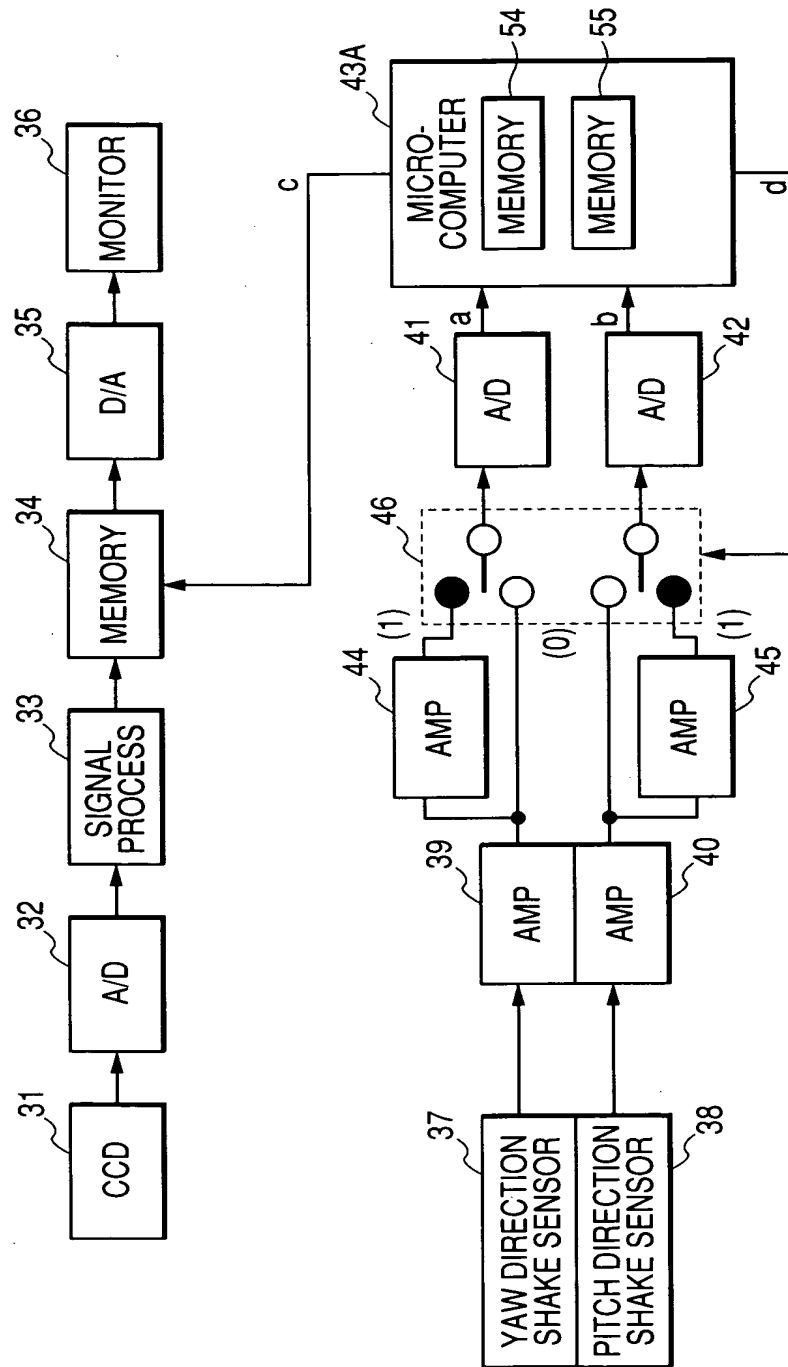


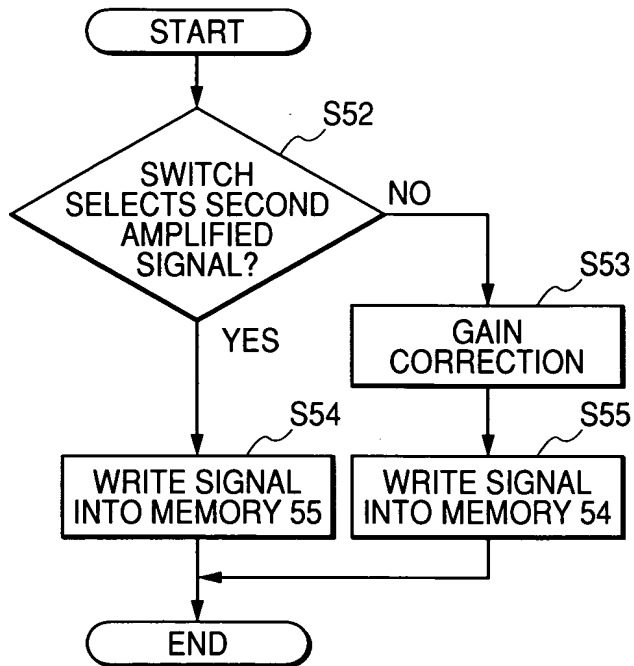
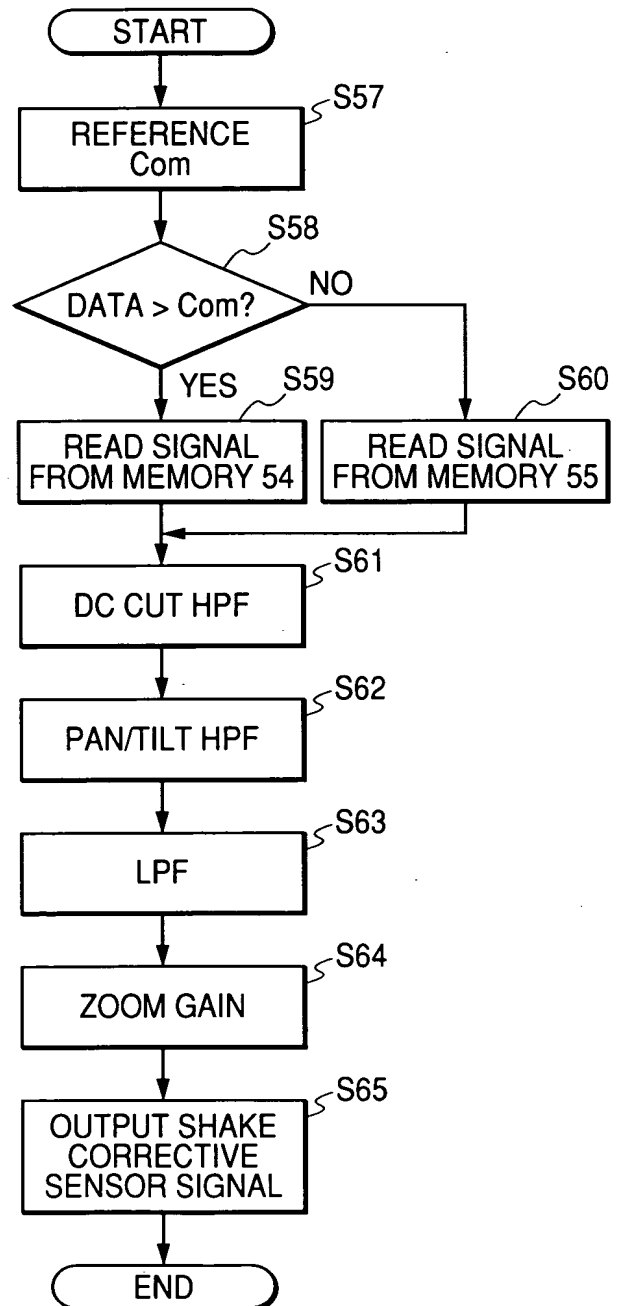
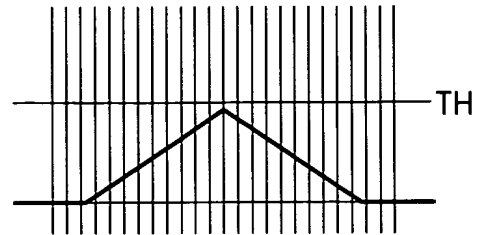
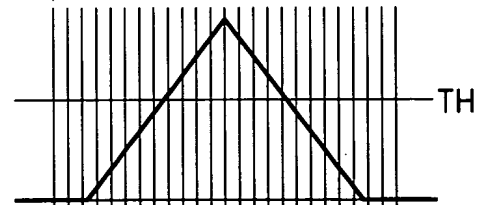
FIG. 6**FIG. 7**

FIG. 8

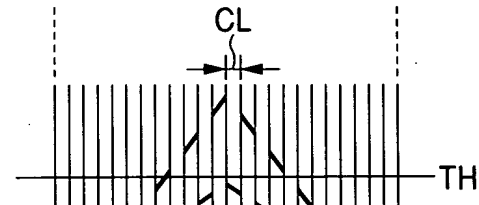
FIRST AMPLIFIED
SENSOR SIGNAL
OUTPUTTED FROM
AMPLIFIER 39



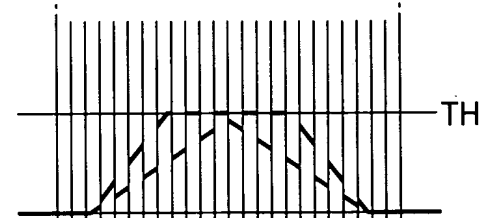
SECOND AMPLIFIED
SENSOR SIGNAL
OUTPUTTED FROM
AMPLIFIER 44



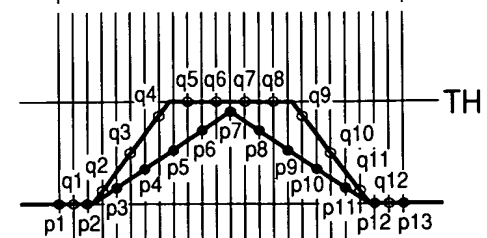
MULTIPLEXING-
RESULTANT
SENSOR SIGNAL



WAVEFORM
SEEN FROM A/D
CONVERTER 41



WAVEFORMS
REPRESENTED
BY SAMPLES
OUTPUTTED FROM
A/D CONVERTER 41



WAVEFORM
REPRESENTED
BY PROCESSING-
RESULTANT
SIGNAL

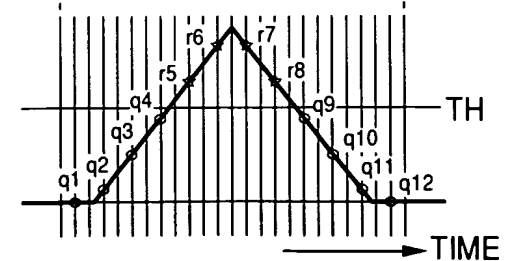


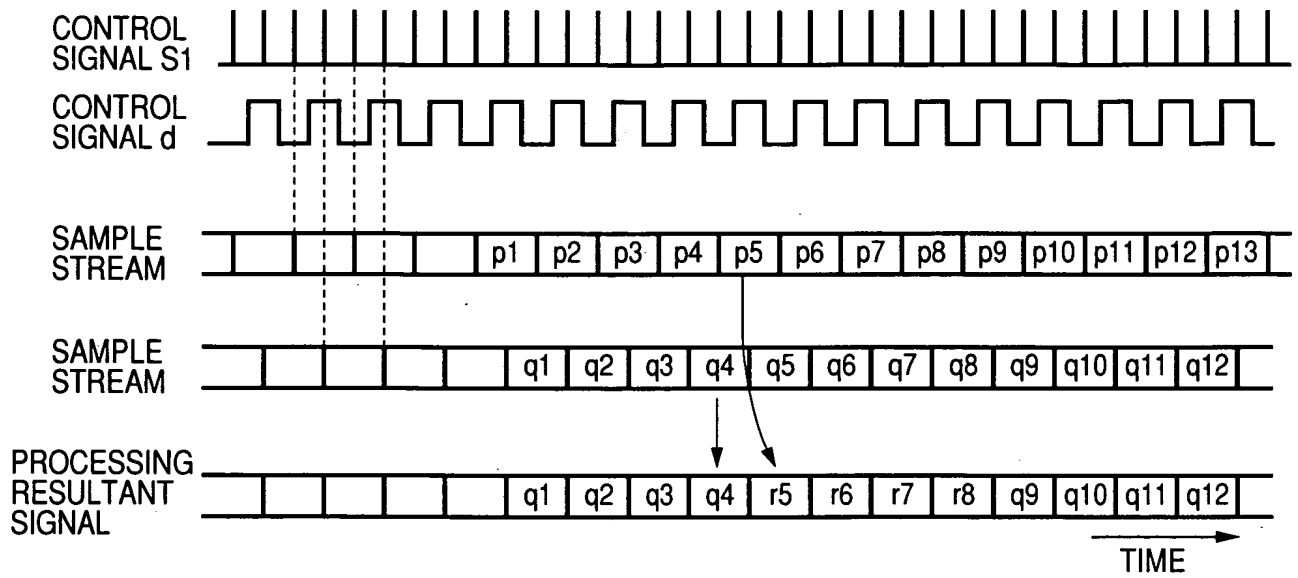
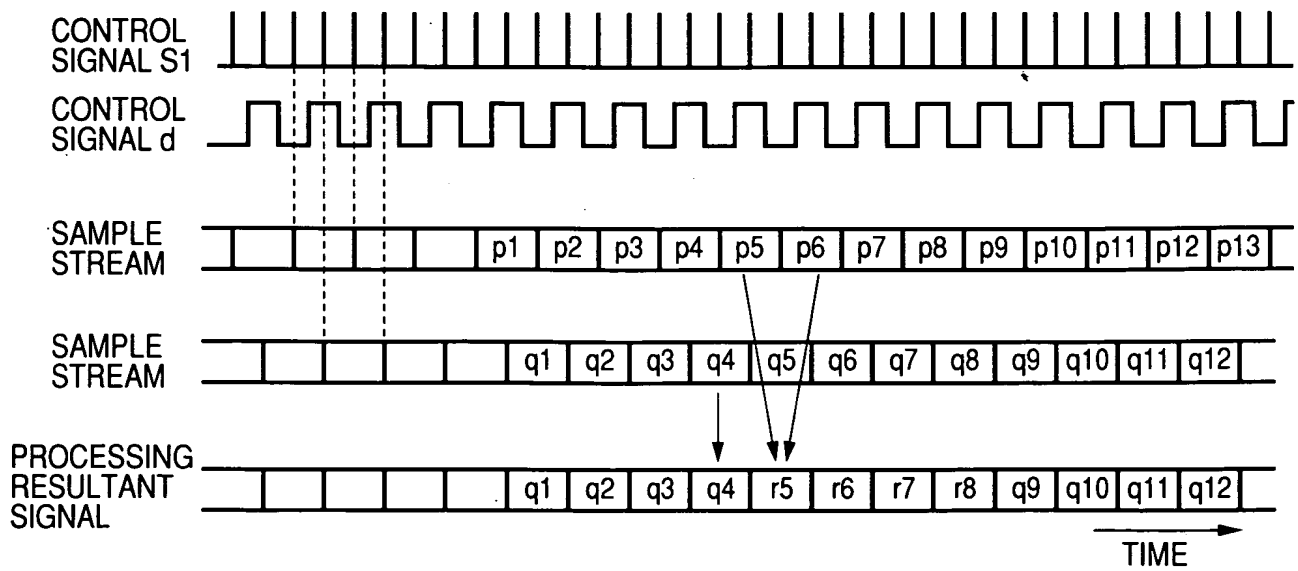
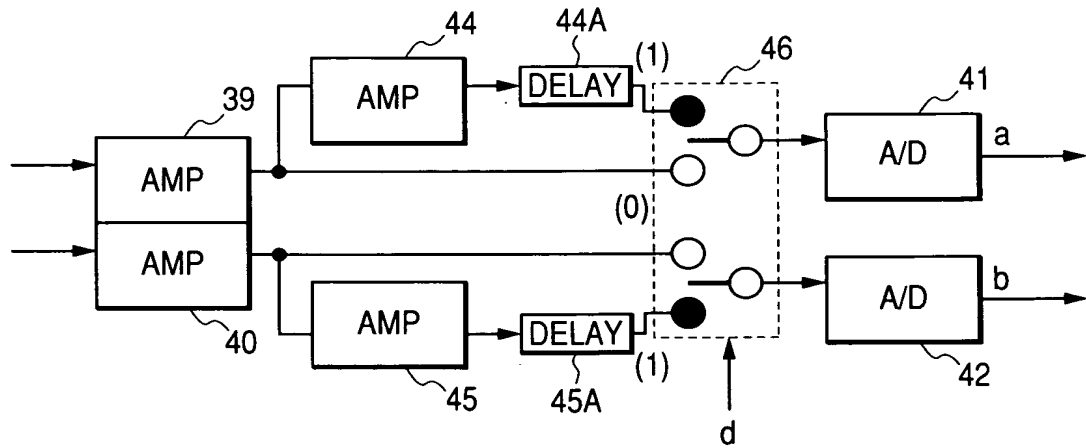
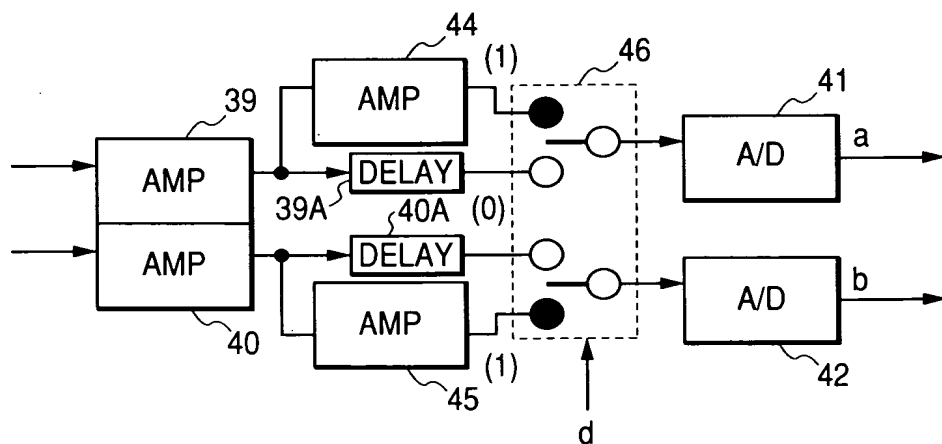
FIG. 9*FIG. 10*

FIG. 11*FIG. 12*

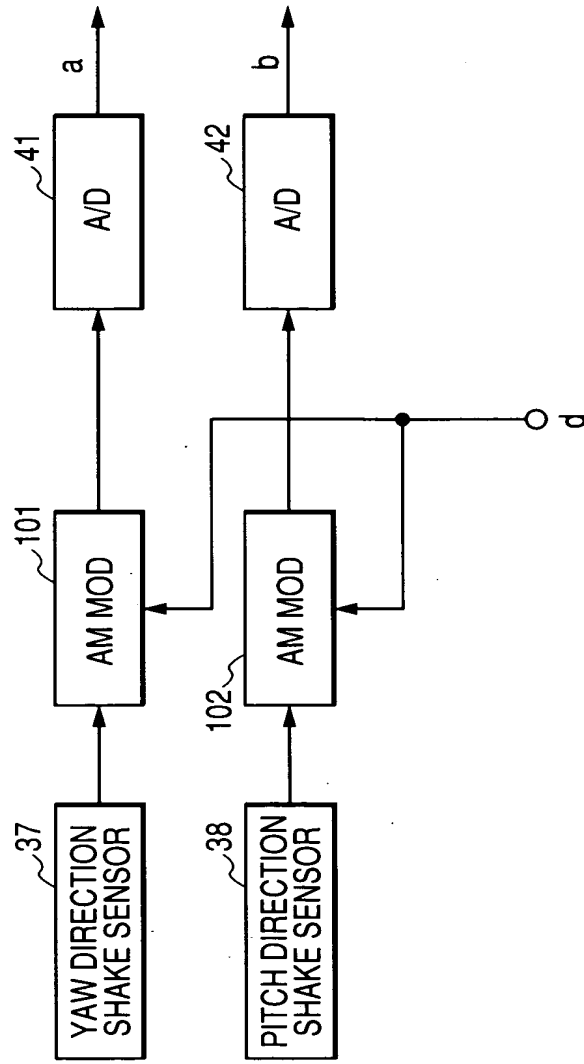


FIG. 13

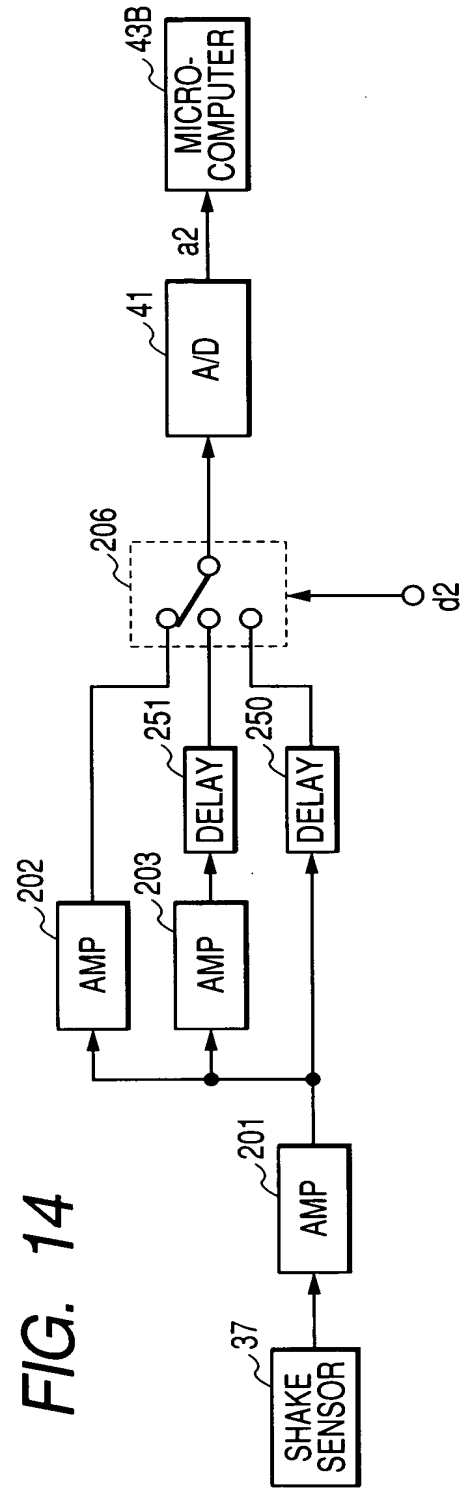


FIG. 14

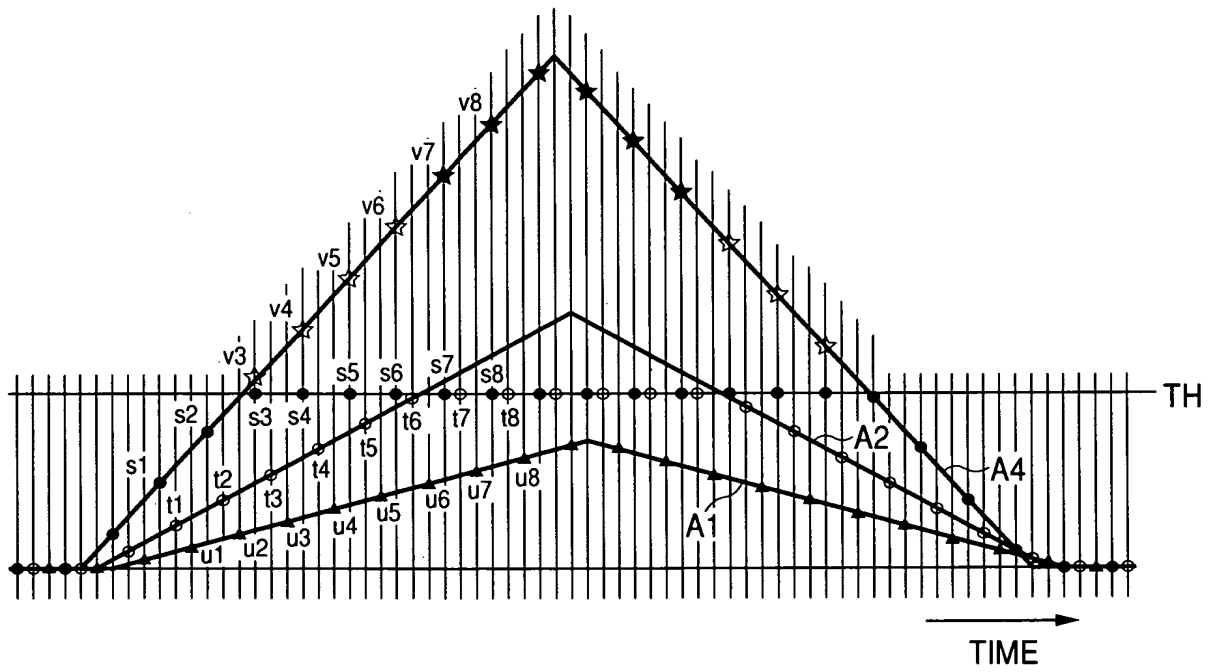
FIG. 15

FIG. 16

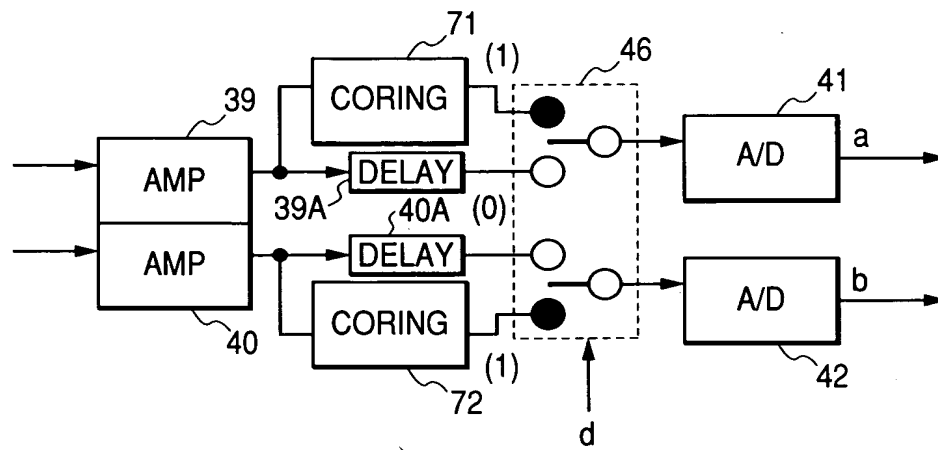


FIG. 17

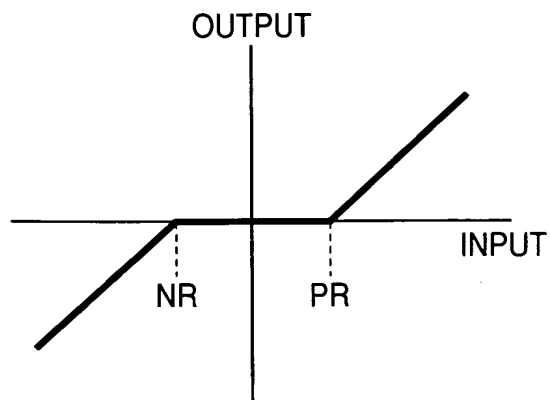


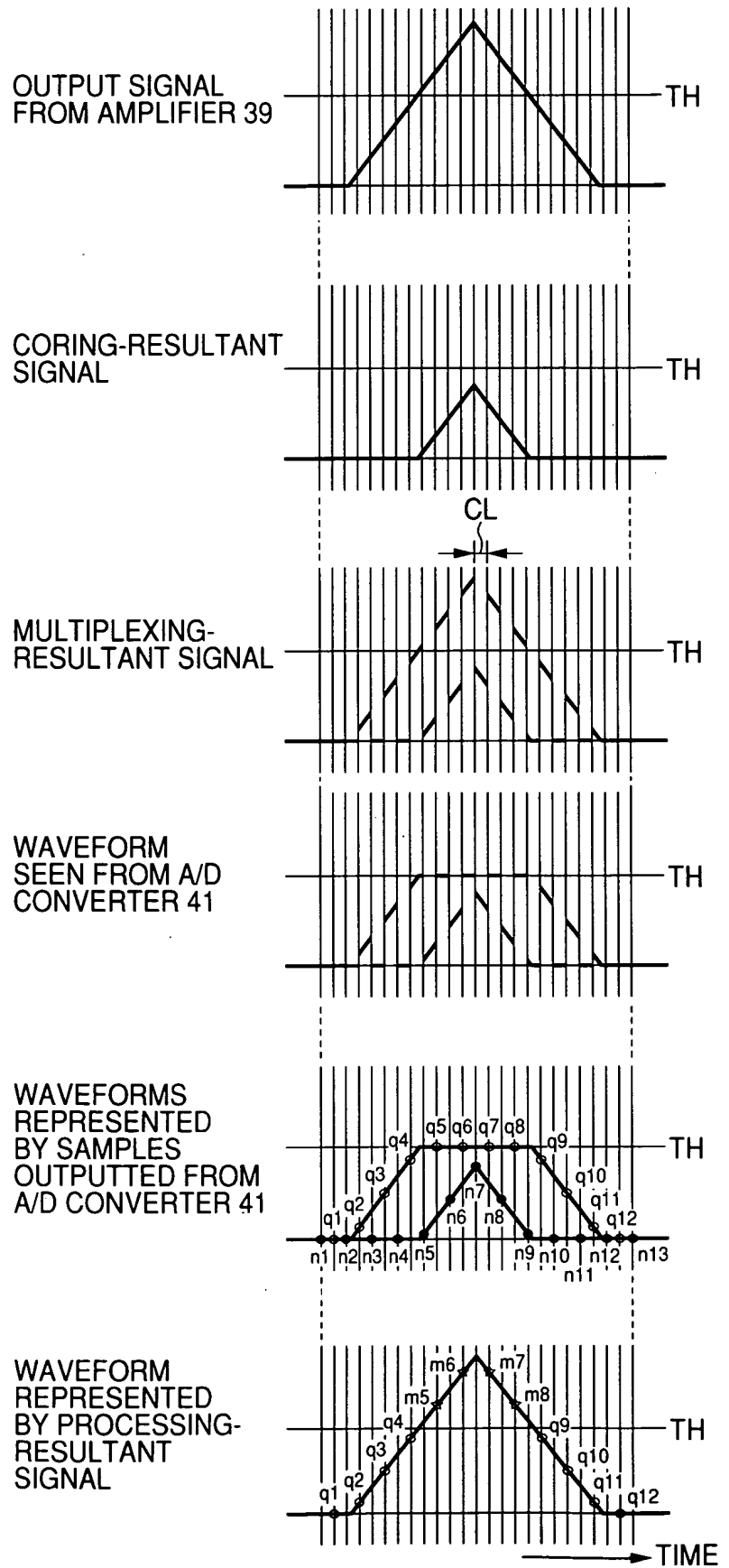
FIG. 18

FIG. 19

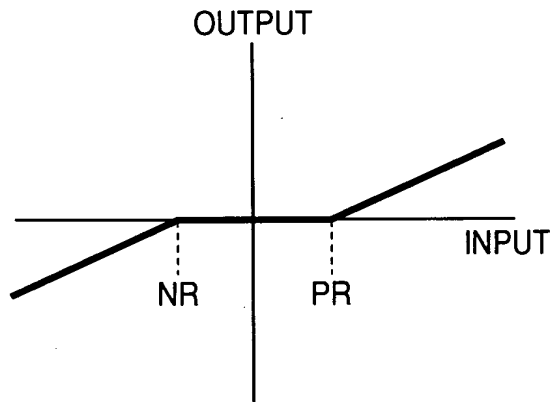


FIG. 20

